
Minutes

MEETING NAME WG-34 Photoacoustics Teleconference

MEETING PLACE/DIAL IN

DATE & TIME Thursday, March 3, 2022, 12:15 PM ET

PRESIDING OFFICERS American College of Radiology - Brian Bialecki (Co-Chair)
iThera Medical GmbH - Stefan Morscher (Co-Chair)

VOTING MEMBERS Seno Medical Instruments Allison Bertrand, Alt-Voting
PRESENT Seno Medical Instruments, Inc. Bryan Clingman
University College London Ben Cox

VOTING MEMBERS University of Cambridge Sarah Bohndiek*
ABSENT Carl Zeiss Meditec AG Stefanie Freitag*
SuperSonic Imagine Damien Lerat*
GE Healthcare Steven Nichols*

*Not present at two consecutive meetings and therefore not counted for quorum during this tcon

DICOM SECRETARIAT Joint: SPIE/IPASC
Amanda Kalkwarf, SPIE, Secretariat

1. **OPENING ITEMS:**

- **Call to order:** The meeting was called to order. Staff recorded attendance and confirmed that a quorum was present.
- **NEMA Antitrust rules and DICOM Patent Policy:** Staff reviewed the Guidelines for Conducting NEMA Meetings and patent policy.

2. **REVIEW AND APPROVE AGENDA:** The agenda was reviewed and approved.

3. **REVIEW MINUTES:** The minutes from the 2022-2-17 meeting were reviewed and approved.

4. TOPIC ITEMS TO BE DISCUSSED:

- Discussion of the work item:
 - Approve changes made since 2022-02-03 Meeting on the Google Drive:

The document was reviewed in the Google Drive.

Morscher explained that following this meeting would be the proper time to request input from a WG-6 member, prior to the next review of the document by WG-6 on 24 March. Bialecki agreed and added that it would be a good idea to send examples along with the document. Bertrand said she completed the microscopy example but has not yet finished the update to the fusion example.

Action: mFollowing this meeting, Bialecki will email David Clunie and Kevin O'Donnell the current draft, request their initial feedback, and invite them to the WG-34 meeting on 17 March.

There was agreement to keep Morscher's edits to Table C.8.XX.2-1. "Photoacoustic image Module Attributes," for Illuminator Type Code Sequence, and to make it optional.

Discussion ensued about the comment "Definition of extensible context group w/ single side illumination, dual side illumination, and through-detector illumination." There was agreement that while these are not commonly used terms, and these terms may be replaced in the future with ones that are more widely used or known, they will remain unchanged for now.

There was agreement to keep Morscher's edits to the Acoustic Coupling Agent Code Sequence, and to make it optional.

There was agreement to keep Bialecki's edits to the definition of C.8.XX.1.2 "Acoustic Coupling Agent.": "Acoustic Coupling Agent (gggg,ee7) shall have defined terms as specified in CID XXYYZ, Acoustic Coupling Agent."

There was agreement to change "Planar transducer geometry" to "Planar matrix transducer geometry."

There was agreement to edit the Code Meanings in Table CID XXYYZ, Acoustic Coupling Agent. These were edited to: Water (H₂O), Heavy Water (Deuterium Oxide, D₂O), Ultrasound Coupling Agent, and Direct Contact (No coupling agent used).

Discussion ensued about Annex C: Acquisition Context Module, Protocol and Workflow Context Templates (Normative). Bertrand explained her edits, and there was agreement to keep the template for the time being, with Bialecki to review at a future date.

There was agreement to keep Bertrand's edits to Use Case 1, including many edits to the tables, including deletion of anything that is not mandatory. Bertrand will also insert an explanatory note explaining where mandatory items were skipped for

brevity. Bialecki suggested this note be added to the Open Issues so that feedback can be solicited as to whether an explanation is necessary.

There was agreement to keep Bertrand's edits to Use Case 2.

There was agreement to add "original" to "proceeded," and "US frames" as types of images in Use Case 2.

Bialecki will review the document to check for locations where "Code value/ Code meaning" are necessary when it comes to "Code Sequence."

There was agreement to keep Bertrand's edits to Use Case 3.

There was agreement to keep Bertrand's edits to Use Case 4.

Action Items:

- Update examples to be actual PA examples once OIDs and tags are assigned – Bertrand has worked on this, but needs to continue; not yet complete
- Clean out standard formatting issues based on latest supplement – Bialecki has worked on this, but needs to continue; not yet complete
- Research use of relative time – Discussion ensued about using absolute and relative time references. There was agreement that this is not an issue; it is taken care of by the standard. This item to be removed from the Action Item list.

- Any Additional Items: N/A

5. Reminder of DICOM resources:

FTP Server for exchange of documents:

<ftp://d9-workgrps@medical.nema.org/MEDICAL/Private/Dicom/WORKGRPS/WG34/>

Email listserv for discussion (must be on the list to post):

nema1+dicom-wg34-1579@discoursemail.com

Discussion guidelines: Use for directly related technical information, and avoid antitrust topics and discussion of patented technology (known patents must be disclosed)

Meeting Minutes

Will be circulated online and posted under WG-34 page here:

<https://www.dicomstandard.org/wgs>

New members please fill this out: <https://www.dicomstandard.org/participate> All are welcome. Voting members of this group are required to sign an organizational patent form (unless an individual, e.g. a student). Those wishing to join as a member of the DICOM Standard Committee to have input on DICOM's priorities may inquire at the participate form.

6. OLD BUSINESS/NEW BUSINESS

7. DATE AND TIME OF NEXT MEETING

Thursday 17 March 2022, 12:15 PM ET

Submitted by: Carolyn Hull, 3/24/22

Reviewed by Counsel 3/26/2022

NEMALINK CODE Click here to enter text.

SUBMITTED BY Enter submitter.

SUBMITTED ON 3/24/2022

LEGAL APPROVAL Enter approval date.

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